1 APPLICATION ..... 2
2 DESCRIPTION (FIG. 1) ..... 2
3 PACKAGE CONTENT LIST ..... 2
4 SYMBOLS ..... 2
5 GENERAL POWER TOOL SAFETY WARNINGS ..... 3
*5.1 Working area ..... 3*
*5.2 Electrical safety ..... 3*
*5.3 Personal safety ..... 3*
*5.4 Power tool use and care ..... 4*
*5.5 Service ..... 4*
6 SAFETY REGULATIONS ..... 4
7 BEFORE STARTING WORK ..... 5
*7.1 Fitting and changing tools (Fig 2) ..... 5*
*7.2 Removing SDS-plus tool (Fig 3) ..... 5*
8 STARTING WORK ..... 5
*8.1 Switching ON/OFF ..... 5*
*8.2 Handle attachment (Fig 4) ..... 5*
*8.3 Depth stop (Fig 5) ..... 5*
*8.4 Dust collection device (Fig 6) ..... 6*
*8.5 Hammer stop ..... 6*
*8.6 Drill Stop (Fig 7) ..... 6*
9 CLEANING AND MAINTENANCE ..... 6
10 TECHNICAL DATA ..... 6
11 NOISE ..... 7
12 WARRANTY ..... 7
13 ENVIRONMENT ..... 7
14 DECLARATION OF CONFORMITY ..... 8

Copyright © 2014 VARO NV

# HAMMER DRILL 900W
# POW30543

## 1 APPLICATION

The hammer drill can be universally used for hammer drilling and chiselling in stone and concrete. It is not designed for commercial use.

**WARNING! For your own safety, read this manual and general safety instructions carefully before using the appliance. Your power tool should only be passed on together with these instructions.**

## 2 DESCRIPTION (FIG. 1)

1. Dust guard
2. Fastening sleeve
3. On-Off switch
4. Auxiliary handle
5. Cap for carton brush
6. Depth stop
7. Drill stop
8. Hammer stop

## 3 PACKAGE CONTENT LIST

- Remove all packaging materials.
- Remove remaining packing and package inserts (if included).
- Check that the package contents are complete.
- Check the appliance, the power cord, the power plug and all accessories for transportation damage.
- Keep the packing materials as long as possible till the end of the warranty period. Dispose it into your local waste disposal system afterwards.

**WARNING: Packaging materials are not toys! Children must not play with plastic bags! Danger of suffocation!**

1 machine
3 SDS drills, A
2 chisels, B
1 13 mm key chuck + adaptor, C
1 auxiliary handle, D
1 dust cover, E
1 depth gauge, F
1 manual

**If any parts are missing or damaged, please contact your dealer.**

## 4 SYMBOLS

The following symbols are used in this manual and/or on the machine:

| | | | |
|---|---|---|---|
| | Denotes risk of personal injury or damage to the tool. | | Read manual before use. |
| | In accordance with essential safety standards of applicable European directives. | | Class II - The machine is double insulated. Earthing wire is therefore not necessary. |

Copyright © 2014 VARO NV

# 5 GENERAL POWER TOOL SAFETY WARNINGS

Read all safety warnings and instructions. Failure to heed warnings and follow instructions may result in electric shock, fire and/or serious injury. Keep safety warnings and instructions for future reference. The term "power tool" in the safety warnings refers to your mains-operated (corded) power tool or battery- operated (cordless) power tool.

### *5.1 Working area*

- Keep working area clean and well lit. Untidy and dark areas can lead to accidents.
- Do not operate power tools in potentially explosive surroundings, for example, in the presence of inflammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders at a distance when operating a power tool. Distractions can cause you to lose control of it.

### *5.2 Electrical safety*

**Always check that the power supply corresponds to the voltage on the rating plate.**

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use adapter plugs with earthed power tools. Unmodified plugs and matching outlets will reduce the risk of an electric shock.
- Avoid body contact with earthed surfaces such as pipes, radiators, kitchen ranges and refrigerators. There is an increased risk of an electric shock if your body is earthed.
- Do not expose power tools to rain or wet conditions. If water gets inside a power tool, it will increase the risk of an electric shock.
- Do not damage the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep the cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of an electric shock.
- When operating a power tool outdoors, use an extension cable suitable for outdoor use. Using a cord suitable for outdoor use reduces the risk of an electric shock.
- If operating a power tool in a damp location is unavoidable, use a power supply protected by a residual current device (RCD). Using an RCD reduces the risk of an electric shock.

### *5.3 Personal safety*

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool when you are tired or under the influence of drugs, alcohol or medication. A moment of inattention when operating a power tool may result in serious personal injury.
- Use safety equipment. Always wear eye protection. Using safety equipment such as a dust mask, non-skid safety shoes, a hard hat, or hearing protection whenever it is needed will reduce the risk of personal injury.
- Avoid accidental starts. Ensure the switch is in the off position before inserting the plug. Carrying power tools with your finger on the switch or plugging in power tools when the switch is in the on position makes accidents more likely.
- Remove any adjusting keys or spanners before turning on the power tool. A spanner or key left attached to a rotating part of the power tool may result in personal injury.
- Do not reach out too far. Keep your feet firmly on the ground at all times. This will enable you retain control over the power tool in unexpected situations.
- Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from the power tool. Loose clothes, jewellery or long hair can become entangled in the moving parts.

- If there are devices for connecting dust extraction and collection facilities, please ensure that they are attached and used correctly. Using such devices can reduce dust-related hazards.

### *5.4 Power tool use and care*

- Do not expect the power tool to do more than it can. Use the correct power tool for what you want to do. A power tool will achieve better results and be safer if used in the context for which it was designed.
- Do not use the power tool if the switch cannot turn it on and off. A power tool with a broken switch is dangerous and must be repaired.
- Disconnect the plug from the power source before making adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Store power tools, when not in use, out of the reach of children and do not allow people who are not familiar with the power tool or these instructions to operate it. Power tools are potentially dangerous in the hands of untrained users.
- Maintain power tools. Check for misalignment or jammed moving parts, breakages or any other feature that might affect the operation of the power tool. If it is damaged, the power tool must be repaired. Many accidents are caused by using poorly maintained power tools.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to jam and are easier to control.
- Use the power tool, accessories and cutting tools, etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work which needs to be done. Using a power tool in ways for which it was not intended can lead to potentially hazardous situations.

### *5.5 Service*

- Your power tool should be serviced by a qualified specialist using only standard spare parts. This will ensure that it meets the required safety standards.

## 6 SAFETY REGULATIONS

Important ! To protect yourself from the risk of electric shock, injury and Tire when using an electric tool, it is imperative to take the following basic safely precautions. Read and note these instructions before you use the machine.

- Check the voltage (volt) marked on the rating plate.
- When using cable drums, run all the cable off the drum. Minimum conductor cross section: 1.0 mm².
- When using the electric hammer drill outdoors, connect to the power supply with a type H07RN-F 3G 1.5 mm² extension cable and rain-water protected plugs in proper working order.
- Make sure of your footing on ladders and scaffolding when drilling (tee-handed.
- Use a line detector to localize lines in walls with concealed electric, water or gas lines. Avoid touching live components or conductors.
- Wear ear muffs to protect your hearing. Loss of hearing can be a gradual process!
- Wear goggles and use a dust mask on jobs generating dust.
- Do not use in areas where there are vapours or flammable liquids.
- Always pull the plug out or the socket before cleaning or making changes to the machine.
- Protect the power cable from damage oil and acid can damage the cable.
- Never overload the machine.
- Secure all workpieces sufficiently.
- Important: It is imperative to follow all national safety regulations concerning installation, operation and maintenance.

Copyright © 2014 VARO NV

- Chisel bits and drill bits may be flung out of the machine accidentally and cause serious injury:
- Before starting to work, always check that the chisel or drill bit is properly locked in the chuck.
- Never start up a hammer tool until it is pressed against a workplace (wall, ceiling, etc.).
- When you are finished, unplug the hammer drill from the electric supply and remove the chisel or drill bit from the machine.
- Always disconnect the hammer drill from the electric supply before you change a chisel or drill bit.

- Protect your eyes and other workers from flying particles and splinters. Wear a helmet! Set up partition walls!
- Wear work gloves to protect fingers from bruising and grazing.
- Vibrations can injure the hand-arm system. Keep exposure to vibrations as short as possible.
- Always lead the mains cable away backwards from the device
- Store the device where it is inaccessible to children.
- When carrying out work, always hold the device with both hands and ensure that you have a stable standing position.

## 7 BEFORE STARTING WORK

- Examine the place where the device is to be used for hidden electrical cables, gas and water pipes using a pipe finding device.
- Before connecting to !he mains, ensure care that the mains voltage corresponds to the details on the rating plate.

### *7.1 Fitting and changing tools (Fig 2)*

The device is equipped with a SDS-plus attachment system.

- Clean tools and grease with a thin layer of machine grease before fitting.
- Pull back fastening sleeve and hold.
- Push and rotate the dust-free tool into the tool holder as far as it will go, The tool will lock automatically.
- Check that it has locked by pulling the tool

### *7.2 Removing SDS-plus tool (Fig 3)*

Pull back fastening sleeve, hold and remove tool.

## 8 STARTING WORK

### *8.1 Switching ON/OFF*

- Switching on: Press the operating switch.
- Switching off: Press the operating switch briefly and let go.

### *8.2 Handle attachment (Fig 4)*

For reasons of safety, only use the hammer drill with handle attachment.
You will be able to obtain a safe body position when working by rotating the handle attachment. Loosen and turn the handle attachment in an anti-clockwise direction: Then tighten the handle attachment.

### *8.3 Depth stop (Fig 5)*

Loosen the handle attachment and place the straight part of the depth stop in the hole. Adjust the depth stop and retighten the handle attachment.

Copyright © 2014 VARO NV

### *8.4 Dust collection device (Fig 6)*

Before carrying out hammer-drilling work vertically overhead pull dust collecting device over the drill bit.

### *8.5 Hammer stop*

- Your hammer drill is equipped with a hammer stop facility for smooth drilling.
- To deactivate the hammer action, turn the lever switch clockwise to position.
- To reactivate the hammer action, the lever switch has to be reset to position.

### *8.6 Drill Stop (Fig 7)*

You can deactivate the drilling action of the hammer drill when using it for chiselling work

- To do so, turn the lever selector so that the mark coincides with the arrow on the machine case.
- To reactivate the drilling action, the lever selector has to be reset so that the mark coincides with arrow.

**Important! When hammer drilling you will require a low pressure. Too much pressure will place unnecessary load on the motor. Check the drill bits regularly. Re-sharpen or replace blunt drill bits.**

## 9 CLEANING AND MAINTENANCE

- Remove the mains plug from the socket before carrying out any work on the device.
- Keep your machine clean at all times.
- Never use caustic agents to clean the plastic parts.
- At the end of your work, to prevent dust deposits you should use compressed air (max.3 bar) to clean out the ventilation slots.
- Check the carbon brushes regularly（dirty or worn carbon brushes result in excessive sparking and speed faults）

**Caution: Do not use cleaning agents to clean the plastic parts of the tool. A mild detergent on a damp cloth is recommended. Water must never come into contact with the tool.**

## 10 TECHNICAL DATA

| | |
|---|---|
| Rated Voltage | 230-240 V |
| Rated Frequency | 50 Hz |
| Rated Power | 900 W |
| Rotation speed | 850 $min^{-1}$ |
| Protection class | II |
| Drill capacity concrete | 26 mm |
| Drill capacity steel | 13 mm |
| Drill capacity wood | 40 mm |
| Impact rate | 4100 $min^{-1}$ |
| Cable length | 2 m |
| Chuck type | 26mm key chuck |

## 11 NOISE

Noise emission values measured according to relevant standard. (K=3)

| | |
|---|---|
| Acoustic pressure level LpA | 92 dB(A) |
| Acoustic power level LwA | 103 dB(A) |

**ATTENTION! Wear hearing protection when sound pressure is over 85 dB(A).**

| | | |
|---|---|---|
| aw (Vibration): | Max 18.7 m/s² | K = 1.5 m/s² |

## 12 WARRANTY

- This product is warranted for a 24-month period effective from the date of purchase by the first user.
- This warranty covers all material or production flaws excluding: batteries, chargers, defective parts subject to normal wear & tear such as bearings, brushes, cables, and plugs, or accessories such as drills, drill bits, saw blades, etc. ; damage or defects resulting from maltreatment, accidents or alterations; nor the cost of transportation.
- Damage and/or defects resulting from inappropriate use also do not fall under the warranty provisions.
- We also disclaim all liability for any bodily injury resulting from inappropriate use of the tool.
- Repairs may only be carried out by an authorised customer service centre for Powerplus tools.
- You can always obtain more information at the number 00 32 3 292 92 90.
- Any transportation costs shall always be borne by the customer, unless agreed otherwise in writing.
- At the same time, no claim can be made on the warranty if the damage of the device is the result of negligent maintenance or overload.
- Definitely excluded from the warranty is damage resulting from fluid permeation, excessive dust penetration, intentional damage (on purpose or by gross carelessness), inappropriate usage (use for purposes for which the device is not suitable), incompetent usage (e.g. not following the instructions given in the manual), inexpert assembly, lightning strike, erroneus net voltage. This list is not exhaustive.
- Acceptance of claims under warranty can never lead to the prolongation of the warranty period nor commencement of a new warranty period in case of a device replacement.
- Devices or parts which are replaced under the warranty therefore remain the property of Varo NV.
- We reserve the right to reject a claim whenever the purchase cannot be verified or when it is clear that the product has not been properly maintained. (Clean ventilation slots, carbon brushes serviced regularly, etc.).
- Your purchase receipt must be kept as proof of date of purchase.
- Your appliance must be returned undismantled to your dealer in an acceptably clean state, (in its original blow-moulded case if applicable to the unit), accompanied by proof of purchase.

## 13 ENVIRONMENT

Should your appliance need replacement after extended use, do not dispose of it with the household refuse, but in an environmentally safe way.
Waste produced by electrical machine items should not be handled like normal household rubbish. Please recycle where recycle facilities exist. Check with your Local Authority or retailer for recycling advice.

Copyright © 2014 VARO NV

## 14 DECLARATION OF CONFORMITY

CE

**VARO N.V.** - Joseph Van Instraat 9 - BE2500 Lier - BELGIUM, declares that,

Product: hammer drill 900W
Trade mark: POWERplus
Model: POW30543

is in conformity with the essential requirements and other relevant provisions of the applicable European Directives, based on the application of European harmonized standards. Any unauthorized modification of the apparatus voids this declaration.

European Directives (including, if applicable, their amendments up to the date of signature);

2011/65/EU
2004/108/EC
2006/42/EC
2000/14/EC Annex V LwA 100dB(A) / 103dB(A)

European harmonized standards (including, if applicable, their amendments up to the date of signature);

EN60745-1 : 2009
EN60745-2-6 : 2010
EN55014-1 : 2006
EN55014-2 : 1997
EN61000-3-2 : 2006
EN61000-3-3 : 2008

Keeper of the Technical Documentation : Philippe Vankerkhove, VARO – Vic. Van Rompuy N.V.

The undersigned acts on behalf of the company CEO,

Hugo Cuypers
Regulatory Affairs – Compliance Manager
06/09/13

Copyright © 2014 VARO NV